



UNITED STATES DEPARTMENT OF COMMERCE  
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SERIAL NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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07/866,744 04/10/92 USUI

M 920276/LH  
EXAMINER

BRIER, J

26M2  
FRISHAUF, HOLTZ, GOODMAN & WOODWARD  
600 THIRD AVENUE, 30TH FLOOR  
NEW YORK, NY 10016

ART UNIT PAPER NUMBER

2615

DATE MAILED:

05/05/93

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined ☒ Responsive to communication filed on 2-16-93 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), ~~xxx~~ days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.                   |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.                 | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152. |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474.     | 6. <input type="checkbox"/>  |

Part II SUMMARY OF ACTION

1. ☒ Claims 1 to 30 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☒ Claims 13 to 22, 24, 25, 27 to 30 have been cancelled.
3. ☐ Claims \_\_\_\_\_ are allowed.
4. ☒ Claims 1 to 12, 23, 26 are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable. ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed on \_\_\_\_\_, has been ☐ approved. ☐ disapproved (see explanation).
12. ☒ Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has ☒ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

EXAMINER'S ACTION

***Election/Restriction***

1. Applicant's election without traverse of claims 1 to 12, 23 and 26 in Paper No. 2 filed on 02-16-93 is acknowledged.
2. Claims 13 to 22, 24, 25, 27 to 30 are withdrawn from further consideration by the examiner, 37 C.F.R. § 1.142(b) as being drawn to a nonelected species. Election was made **without** traverse in Paper No. 2.

***Priority***

3. Receipt is acknowledged of papers submitted under 35 U.S.C. § 119, which papers have been placed of record in the file. Receipt is acknowledged of Japanese patent document numbers 3-110831, 3-140269, 3-263188, and 3-276597.

***Drawings***

4. The drawings are objected to because:  
in figure 8 numerous occur as follows:  
the output of element (71) WFA should be WEA;  
the output of element (77) 3dit should be 3bit;  
the address input of RAM-B element (74) should be labeled as A0~A7;  
the labels associated with elements (75), (76), (85), (86), (72), and (82) should have their labels changed so their labels

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will more likely convey the function performed by those elements, for example shift register (75) has a label of SOM-A, likewise the same labels associated with figures 13C and 13D should be changed accordingly; and

in figure 12 the descriptive label "1 fieled" should be --1 field--.

Correction is required.

5. Applicant is required to submit a proposed drawing correction in response to this Office Action. Any proposal by the applicant for amendment of the drawings to cure defects must consist of two parts:

a) A separate letter to the Draftsman in accordance with MPEP § 608.02(r); and

b) A print or pen-and-ink sketch showing changes in *red ink* in accordance with MPEP § 608.02(v).

IMPORTANT NOTE: The filing of new formal drawings to correct the noted defect may be deferred until the application is allowed by the examiner, but the print or pen-and-ink sketch with proposed corrections shown in red ink is required in response to this Office Action, and *may not be deferred*.

#### ***Specification***

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6. The Abstract of the Disclosure is objected to because at lines 14 and 16 "smaller" should be --greater--. Correction is required. See M.P.E.P. § 608.01(b).

7. The disclosure is objected to because of the following informalities:

any changes to the descriptive labels in the drawings must be accompanied by similar changes in the specification if necessary;

at page 8 line 13 the second occurrence of "the" should be deleted and at line 18 "date" should be --data--; and

at page 21 lines 20 to 23 the control signal D/D is not shown by figure 8 to be connected to a decoder (71) but rather to a scan electrode driver (21/22).

Appropriate correction is required.

8. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

#### ***Claim Rejections - 35 USC § 102***

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or

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on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

10. Claims 1, 2, 3, 7, 9, 10, 11, 23 and 26 are rejected under 35 U.S.C. § 102(b) as being anticipated by Yasui US Patent No. 4,769,713.

11. Claims 1, 4, 5, 6, 8, 10, 11, 12, 23 and 26 are rejected under 35 U.S.C. § 102(e) as being anticipated by Fuse et al US Patent No. 5,089,812.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffery A. Brier whose telephone number is (703) 305-4723.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.

May 1, 1993

*Jeffery A. Brier*  
JEFFERY BRIER  
PRIMARY EXAMINER  
GROUP 2600